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## Continued of Allowability Examiner Dixomara Vargas	VAN DEN BRINK	ET AI
The MAILING DATE of this communication appears on the cover sheet will claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED increwith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate comm NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is so the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to Amendment with RCE filed 01/03/05. 2. ☑ The allowed claim(s) is/are 1-18. 3. ☑ The drawings filed on 14 November 2001 are accepted by the Examiner. 4. ☑ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) a) ☑ All b) ☐ Some* c) ☐ None of the: 1. ☑ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application. 3. ☐ Copies of the certified copies of the priority documents have been received international Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EX. INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath of including changes required by the Notice of Draftsperson's Patent Drawing Review 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Amendment / Comment or Paper No./Mail Date (c) ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATI attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATI attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATI attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATI attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF B	Art Unit	
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Art Unit: 2859

DETAILED ACTION

Page 2

Allowable Subject Matter

- 1. Claims 1-18 are allowed.
- 2. The following is an examiner's statement of reasons for allowance:
 - a. With respect to claim 1, the claim has been found allowable over the prior art of record because the prior art of record fails to teach or fairly suggest a magnetic resonance imaging method comprising the step of correcting the signal amplitudes includes calculating deviations of the actual magnetic gradient field from an ideal gradient field using the geometrical shape of the gradient coils and the time profile of the temporary current pulse through the gradient coils in combination with the remaining limitations of the claim.
 - b. With respect to claim 4, the claim has been found allowable over the prior art of record because the prior art of record fails to teach or fairly suggest a magnetic resonance imaging method comprising the step wherein a pulse sequence includes a bipolar gradient pair in a preparation section in combination with the remaining limitations of the claim.
 - c. With respect to claim 5, the claim has been found allowable over the prior art of record because the prior art of record fails to teach or fairly suggest a magnetic resonance imaging method comprising the step wherein a pulse sequence includes a pair of gradient pulses that have the same polarity and are separated by a refocusing pulse in the preparation section in combination with the remaining limitations of the claim.

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d.

record because the prior art of record fails to teach or fairly suggest a magnetic resonance

With respect to claim 8, the claim has been found allowable over the prior art of

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imaging system comprising means for calculating deviations of the actual magnetic

gradient field from an ideal gradient field using the geometrical shape of the gradient

coils and the time profile of the temporary current pulse through the gradient coils in

combination with the remaining limitations of the claim.

e. With respect to claim 9, the claim has been found allowable over the prior art of

record because the prior art of record fails to teach or fairly suggest a computer readable

medium storing a computer program with computer executable instructions for

performing the step of correcting the signal amplitudes includes calculating deviations of

the actual magnetic gradient field from an ideal gradient field using the geometrical shape

of the gradient coils and the time profile of the temporary current pulse through the

gradient coils in combination with the remaining limitations of the claim.

f. With respect to claim 11, the claim has been found allowable over the prior art of

record because the prior art of record fails to teach or fairly suggest a magnetic resonance

imaging system comprising means for generating a pulse sequence that includes a bipolar

gradient pair in a preparation section in combination with the remaining limitations of the

claim.

g. With respect to claim 13, the claim has been found allowable over the prior art of

record because the prior art of record fails to teach or fairly suggest a magnetic resonance

imaging system comprising means for generating a pulse sequence that includes a pair of

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gradient pulses that have the same polarity and are separated by a refocusing pulse in the preparation section in combination with the remaining limitations of the claim.

- h. With respect to claim 15, the claim has been found allowable over the prior art of record because the prior art of record fails to teach or fairly suggest a computer readable medium storing a computer program with computer executable instructions for performing the step of generating a pulse sequence that includes a bipolar gradient pair in a preparation section in combination with the remaining limitations of the claim.
- i. With respect to claim 17, the claim has been found allowable over the prior art of record because the prior art of record fails to teach or fairly suggest a computer readable medium storing a computer program with computer executable instructions for performing the step of generating a pulse sequence that includes a pair of gradient pulses that have the same polarity and are separated by a refocusing pulse in the preparation section in combination with the remaining limitations of the claim.
- j. With respect to claims 2, 3, 6, 7, 10, 12, 14, 16 and 18, the claims have been allowed due to their dependency on claims 1, 4, 5, 8, 9, 11, 13, 15 and 17 above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dixomara Vargas whose telephone number is (571) 272-2252. The examiner can normally be reached on 8:00 am. to 4:30 pm..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego Gutierrez can be reached on (571) 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Dixomara Vargas

Art Unit 2859

January 18, 2005

Diego Gutierrez

Supervisory Patent Examiner Technology Center 2800 Page 5